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RESEARCH AID

STATISTICAL DATA ON THE PRODUCTION OF FOODSTUFFS IN THE USSR 1928, 1932, 1937, 1940, 1948-55 AND 1960

CIA/RR RA-6
11 June 1956

CENTRAL INTELLIGENCE AGENCY
OFFICE OF RESEARCH AND REPORTS

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S-E-C-R-E-T

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CIA/RR RA-6

(ORR Project 21.1039)

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CONTENTS

Page

Introduction 1

Tables

1. Production of Foodstuffs in the USSR, 1928, 1937, 1940, 1948-55, and 1960 Plan 2

2. Official Soviet Figures for Production and Planned Production of Foodstuffs in the USSR, 1928, 1932, 1937, 1940, 1950, 1954-55, and 1960 4

3. Production and Planned Production of Foodstuffs in the USSR, Expressed as a Percentage of a Previous Year, 1949-55 and 1960 5

4. Index of Production of Meat and Tabulation of Calculation of Production of Milk in the USSR, 1950-55 6

5. Composition of Production of Canned Goods in the USSR, Expressed as a Percentage of Total Production, 1932, 1937, 1941 Plan, 1950, 1954 Plan, and 1955 Plan 7

Appendix

Source References 9

Approved For Release 1999/09/27 : CIA-RDP79S01046A000400070001-0

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S-E-C-R-E-T

CIA/RR RA-6
(ORR Project 21.1039)

STATISTICAL DATA ON THE PRODUCTION OF FOODSTUFFS IN THE USSR* 1928, 1932, 1937, 1940, 1948-55, AND 1960

Introduction

The purpose of this research aid is to provide a basic time series of comparative production statistics for use in the analysis of current trends in the Soviet food industries and in Soviet agriculture.

Recent emphasis on increasing the availability of foodstuffs and extending the agricultural base in the USSR emphasizes the need for such a basic time series, and the publicity attending the short-lived consumer-goods program and the pronouncements at the Twentieth Party Congress make such a study possible.

The detailed methodology accompanying the tables which follow makes readily apparent the limitations and gaps in intelligence regarding Soviet production of foodstuffs.

This research aid has been coordinated within CIA but not with the other IAC agencies.

* The estimates contained in this research aid represent the best judgment of ORR as of 1 May 1956.

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Table 1

Production of Foodstuffs in the USSR
1928, 1937, 1940, 1948-55, and 1960 Plan a/

Commodity	Unit	1928 b/	1937 b/	1940 c/	1948 d/	1949 d/	1950 e/	1951 d/	1952 d/	1953 d/	1954 d/	1955 f/	1960 Plan g/
Fish h/	Thousand metric tons	956 i/	1,609	1,600	1,530	1,870 j/	1,740	2,120	2,090	2,150	2,450	2,680	4,200
Meat k/	Thousand metric tons	3,941	2,370	2,940 l/	2,440 l/	2,780 l/	3,075 l/	2,950 m/	3,260 m/	3,690 m/	3,970 m/	4,000 m/	8,000
Milk n/	Thousand metric tons	30,489	26,060	30,000 o/	23,000 p/	24,000 p/	25,000 q/	25,500 q/	25,200 q/	25,700 q/	27,000	29,700 q/	58,000
Butter r/	Thousand metric tons	N.A.	163	200 s/	280	300	320	340	350	360	370	440	680
Cheese r/	Thousand metric tons	N.A.	24 t/	35 u/	37 v/	37	48	58	67	78	87	106	N.A.
Potatoes w/	Thousand metric tons	46,400	65,630	69,600 x/	N.A.	70,000 y/	72,400 x/	60,000 x/	69,000 x/	69,000	67,200 z/	66,500 aa/	123,000
Vegetables bb/	Thousand hectares	791	1,387 cc/	1,600	N.A.	N.A.	1,200 dd/	N.A.	N.A.	1,350 ee/	N.A.	N.A.	N.A.
Flour ff/	Million metric tons	32.5 gg/	33.4 hh/	N.A.	N.A.	N.A.	N.A.	N.A.	40.9 ii/	39.1 ii/	40.0 ii/	N.A.	N.A.
Sugar jj/	Thousand metric tons	1,283	2,421	2,150	1,670	2,060	2,530	2,980	3,070	3,440	2,610	3,420	6,530
Confections jj/	Thousand metric tons	118	921	806 kk/	636	808	994	1,150	1,290	1,410	1,450	1,450 ll/	N.A.
Vegetable oil r/	Thousand metric tons	N.A.	481	725	517	682	778	871	949	1,100	1,220	1,120	1,840
Margarine jj/	Thousand metric tons	0 mm/	83 nn/	118	118 oo/	N.A.	195	195 pp/	271 qq/	336 qq/	390 rr/	398 qq/	N.A.
Soap r/	Thousand metric tons	N.A.	478	630	424	721	800	765 ss/	780 ss/	866 ss/	1,050 tt/	1,060 ss/	N.A.
Canned goods r/	Million 400-gram cans	N.A.	873	987 uu/	813	1,100	1,461	1,720	1,910	2,180	2,530	2,990	N.A.
Beer jj/	Million decaliters	27	88	123	70	97	129	150	159	180	185	185 vv/	N.A.
Grape wine jj/	Million decaliters	N.A.	N.A.	13.5	6.39	8.18	14.5	18.0	23.0	28.5	33.1	34.7	N.A.
Cigarettes jj/	Billion	49.5	102	100	92	108	125	141	158	183	207	207 vv/	N.A.

a. Geographic boundaries are those of the respective years.
b. Except as noted, data for these years are taken from Table 2, p. 4, below.
c. Except as noted, data for this year are taken from Table 2 or derived from 1950 plan data shown in Table 2 and in Table 3, p. 5, below.
d. Except as noted, data for these years are annual plan fulfillment figures shown in Table 3 applied to the 1950 bases.
e. Except as noted, data for this year are taken from Table 2 or derived from 1954 plan data shown in Tables 2 and 3.
f. Except as noted, data for this year are derived from either annual plan fulfillment figures shown in Table 3 or 1960 plan data shown in Tables 2 and 3.
g. Data for this year are either figures shown in Table 2 or are derived from 1960 plan data shown in Table 3.
h. Total catch in round weight.
i. Production in 1929.
j. As estimated in source 1/. (For serially numbered source references, see the Appendix.)
k. Total production of beef, veal, mutton, lamb, goat meat, and pork, on a carcass-weight (bone-in) basis, including slaughter fats.
l. As estimated in source 2/.
m. The meat production index shown in Table 4, p. 6, below, was applied to the 1950 estimate.
n. Total yield.
o. As estimated in source 3/.
p. Arbitrarily calculated at the average rate of increase achieved during the 1950-55 period.
q. Calculations are shown in Table 4.
r. The figures for butter, cheese, vegetable oil, soap, and canned goods represent production by the foodstuffs ministries only; this is the usual procedure in Soviet statistical reporting. The soap figures are given in terms of 40 percent oil content. Table 5, p. 7, below, shows the breakdown of production of canned goods by types for selected years.

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Table 1

Production of Foodstuffs in the USSR
1928, 1937, 1940, 1948-55, and 1960 Plan
(Continued)

s. According to source 4/, 1950 production was 157 percent of 1940 production.
t. As reported in source 5/.
u. According to source 6/, 1954 production was 250 percent of 1940 production.
v. This figure is carried at the same level as 1949 because no increase was announced in the 1949 plan fulfillment report.
w. Total yield.
x. As estimated in source 7/.
y. According to the 1949 plan fulfillment report, 1949 production exceeded 1940 production. 8/
z. As estimated in source 9/.
aa. According to the 1955 plan fulfillment report, the 1955 harvest of potatoes was somewhat lower than in 1954. 10/
bb. Total sown area (1 hectare equals 2.47 acres).
cc. As stated in source 11/.
dd. According to source 12/, potatoes and vegetables were sown on 9,300,000 hectares in 1940 and the 1950 sown area of potatoes and vegetables was 105 percent of the 1940 area. Therefore, potatoes and vegetables occupied 9,760,000 hectares in 1950. Since the source gives the 1950 sown area of potatoes as 8,540,000 hectares, the sown area of vegetables was roughly 1,200,000 hectares in 1950.
ee. According to source 13/, the 1953 sown area was 250,000 hectares less than the 1940 sown area.
ff. Total availability for human consumption, including grain consumed directly in any form (such as corn meal).
gg. As estimated in source 14/.
hh. Jasny indicates an annual per capita consumption of 200 kilograms of flour for 1938 (an estimated 235 kilograms of grain at an extraction rate of 85 percent). This figure of 200 kilograms was multiplied by Lorimer's estimate of population (as of January 1938) to arrive at a flour consumption estimate for 1937. 15/
ii. As estimated in sources. 16/
jj. Total industrial production. Sugar is on a raw weight basis. Grape wine includes champagne.
kk. The 1953 plan for production by the Ministry of the Food Industry was announced as 172 percent of the 1940 level. This percentage was applied to the 1953 plan for total industrial production of confections to obtain the 1940 estimate. 17/
ll. Carried at the same level as 1954 because no increase was announced in the 1955 plan fulfillment report.
mm. Production of margarine did not begin until 1930.
nn. Production in 1936.
oo. According to source 18/, production had reached the prewar level by 1948.
pp. Carried at the same level as 1950 because no increase was announced in the 1951 plan fulfillment report.
qq. Annual plan fulfillment figures shown in Table 3 were applied to the 1954 estimate.
rr. This estimate represents the 1954 plan, which was reported as having been fulfilled. 19/
ss. Annual plan fulfillment figures shown in Table 3 were applied to the 1954 base.
tt. According to source 20/, 1954 production was 131 percent of 1950 production.
uu. According to source 21/, 1950 production was 148 percent of 1940 production.
vv. Carried at same level as 1954 because no increases were announced in the 1955 plan fulfillment report.

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Table 2

Official Soviet Figures for Production and Planned Production of Foodstuffs in the USSR
1928, 1932, 1937, 1940, 1950, 1954-55, and 1960

Commodity	Unit	1928 a/	1932 b/	1937 c/	1940 d/	1950 e/	1950 Plan f/	1954 Plan g/	1955 Plan g/	1960 Plan h/
Fish	Thousand metric tons	956 i/	1,333	1,609	1,600	j/	2,500	2,715	3,190	4,200
Meat	Thousand metric tons	3,941	2,294	2,370						
Milk	Thousand metric tons	30,489	20,558	26,060						
Butter	Thousand metric tons	(82) k/	(72) k/	(185) k/						
			56	163			275	476	560	
Cheese	Thousand metric tons		(14) k/							
			11					97	135	
Potatoes	Thousand metric tons	46,400	43,100	65,630						
Vegetables	Thousand hectares l/	791			1,600					
Flour	Million metric tons									
Sugar	Thousand metric tons	1,283	828	2,421	2,150		2,400	4,300	4,800	6,530
Confections	Thousand metric tons	118	511	921		994		1,579	1,825	
Vegetable oil	Thousand metric tons	(363) k/	(410) k/	(495) k/			(880) k/			
				481	725		780	1,300	1,500	1,840
Margarine	Thousand metric tons	0	38	83 m/	118		250	390	450	
Soap	Thousand metric tons		(357) k/	(495) k/			(880) k/			
				478			800	1,000	1,200	
Canned goods	Million 400-gram cans		(906) k/	(1,372) k/						
			716	873		1,461		2,900	3,400	(5,580) k/
Beer	Million decaliters	27	42	88			150	210	232	
Grape wine	Million decaliters				13.5		18.5	30.4	34.5	
Cigarettes	Billion	49.5	67.4	102	100		110	200	215	

a. 22/
b. 23/
c. 24/
d. 25/
e. 26/
f. 27/
g. 28/
h. 29/

i. 1929 figure.
j. Absence of an entry in any column indicates that data are not available.
k. The figures in parentheses represent total industrial production and are not compatible with the series.
l. One hectare equals 2.47 acres.
m. 1936 figure.

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Approved For Release 1999/09/27 : CIA-RDP79S01046A000400070001-0

Approved For Release 1999/09/27 : CIA-RDP79S01046A000400070001-0

Table 3

Production and Planned Production of Foodstuffs in the USSR, Expressed as a Percentage of a Previous Year
1949-55 and 1960

Commodity	1949 a/ (Percent of 1948)	1950 b/ (Percent of 1949)	1950 Plan c/ (Percent of 1940)	1951 d/ (Percent of 1950)	1952 e/ (Percent of 1951)	1953 f/ (Percent of 1952)	1954 g/ (Percent of 1953)	1954 Plan h/ (Percent of 1950)	1955 i/ (Percent of 1954)	1960 Plan j/ (Percent of 1955)
Fish	122	k/		122		103	114	156	109	157
Meat										200
Milk										195
Butter	106	107		106	104	103	102	149	118	156
Cheese		129		120	115	116	112	200	122	
Potatoes						100				185
Vegetables										
Flour										
Sugar	123	123	112	118	103	112		170	131	191
Confections	127	123	118	116	112	109	103			
Vegetable oil	132	114	108	112	109	116	111	167		165
Margarine			212			124	116	200	102	
Soap	170	111	127		102	111	121	125	101	
Canned goods	135	133		118	111	114	116		118	(178) 1/
Beer	139	133	122	116	106	113	103	163		
Grape wine	128	177		124	128	124	116	210	105	
Cigarettes	117	116		113	112	116	113	160		

a. 30/
b. 31/
c. 32/
d. 33/
e. 34/
f. 35/
g. 36/
h. 37/
i. 38/
j. 39/

k. Absence of an entry in any column indicates that data are not available.

1. The figure in parentheses represents total industrial production and is not compatible with the series.

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Table 4

Index of Production of Meat and Tabulation of Calculation of Production of Milk in the USSR
1950-55

	1950	1951	1952	1953	1954	1955
Index of production of meat a/	100	96	106	120	129	130
Calculation of production of milk						
Number of cows (million) b/				26.0	27.5	29.2
Index of number of cows c/	100	102	100	107	113	120
Calculated number of cows (million) d/	24.3	24.8	24.3	26.0	27.5	29.2
Average milk yield per cow (kilograms) e/	1,027					
Index of production of milk f/	100	102	101	103	108	119
Calculated production of milk (thousand metric tons)	25,000	25,500	25,200	25,700	27,000	29,700

a. 40/
b. 41/
c. 42/
d. 1950-52 numbers apparently are end-of-year numbers, and 1953-55 numbers are based on October census figures.
e. 43/
f. 44/

Approved For Release 1999/09/27 : CIA-RDP79S01046A000400070001-0
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Table 5

Composition of Production of Canned Goods in the USSR, Expressed as a Percentage of Total Production 1932, 1937, 1941 Plan, 1950, 1954 Plan, and 1955 Plan

Category	1932 a/	1937 b/	1941 Plan c/	1950 d/	1954 Plan d/	1955 Plan d/
Fruit	34	N.A.	28	28	26	25
Tomatoes	25	N.A.	20	20	18	16.5
Other vegetables	8.5	N.A.	12	11	14	14
Vegetables with meat	0	0	0	4	3.5	4.5
Total fruit and vegetables	67.5	60	60	63	61.5	60
Meat	14	18	18.5	18	13	14
Fish	18	17	12	13.5	18	18
Milk	0.5	5	7.5	5.5	7.5	8
Miscellaneous	0	0	2	0	0	0

a. The figures for 1932 represent total industrial production and are not compatible with the series. 45/
b. 46/
c. 47/
d. 48/

Approved For Release 1999/09/27 : CIA-RDP79S01046A000400070001-0

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APPENDIX

SOURCE REFERENCES

Evaluations, following the classification entry and designated "Eval.," have the following significance:

Source of Information	Information
Doc. - Documentary	1 - Confirmed by other sources
A - Completely reliable	2 - Probably true
B - Usually reliable	3 - Possibly true
C - Fairly reliable	4 - Doubtful
D - Not usually reliable	5 - Probably false
E - Not reliable	6 - Cannot be judged
F - Cannot be judged	

"Documentary" refers to original documents of foreign governments and organizations; copies or translations of such documents by a staff officer; or information extracted from such documents by a staff officer, all of which may carry the field evaluation "Documentary."

Evaluations not otherwise designated are those appearing on the cited document; those designated "RR" are by the author of this research aid. No "RR" evaluation is given when the author agrees with the evaluation on the cited document.

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